

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
<b>11 South Carolina State Measures</b>							
<b>Comments:</b> Modeling for 2007, shows attainment without including measures beyond national and regional measures already finalized.. 2012 and 2017 also shows attainment.							
<b>11 Central Midlands, SC (Effective date of nonattainment designation deferred) - Lexington County</b>							
Park and Ride lot at Highway 378 and I-20	The 378 and I-20, Park and Ride Lot, during the majority of 2005 year has been to capacity or greater.	Visual inspections of the 47 space park and ride lot.	on-going	1,848 lbs/year	952 lbs/year	N/A	CO reductions 7,297 lbs/year December 2004 EAC SIP - Appendix 16 See Comment 6
Conversion of Commercial Vehicle Fleet to Propane	Schwan's Home Service, Inc. will convert 11 heavy duty gasoline fuel trucks to propane.	completed	completed	1,300 lbs/year	1,638 lbs/year	N/A	CO reductions 8,244 lbs/year December 2004 EAC SIP - Appendix 16 See Comment 6
Gas Can Exchange Events	1. Co-sponsor with Richland County and SCDHEC 2 gas can exchange events located at the former Bush River Mall and at the Sandhills Research/Education Center	A total of 290 old gas cans exchanged for new environmentally safe cans.	The events were held on June 5, 2004 and October 16, 2004	411.68 lbs/year		Michelin donated cans for both events	
School Bus Retrofit Project	Approximately 28 diesel buses will be retrofitted particulate filters during 2006. (additional reductions of PM are also expected)		2006	476 lbs/year	N/A	N/A	CO reductions 3,332 lbs/year December 2004 EAC SIP - Appendix 16 See Comment 6
<b>LEXINGTON COUNTY</b>							
<b>Based on stakeholder consultation and taking into consideration resource and political constrains, the following control measures are under consideration pending modeling that demonstrates compliance in 2007 by SCDHEC.</b>							
Air Quality Awareness and Improvement Policy	Memorandum sent to all County department heads as well as elected officials and presented before County Council on August 24, 2004 and adopted as written; for the purpose of establishing certain principles that will guide the recurring activities of County government. Effective immediately: 1. Encourage that all county employees are notified of upcoming Ozone Action Days.  2. Implement car-pooling opportunities, when feasible. - Ride share to work - Ride to lunch and/or meetings with fellow employees 3. Ensure that all County vehicles/equipment are operating according to the manufacturer's specifications.  4. Restrict vehicle idling to no more than 10 minutes. Exceptions include emergency vehicles, traffic/weather conditions, and vehicles being repaired, maintained, or inspected. 5. Restrict mowing and use of gas powered lawn equipment on County property on Ozone Action Days. 6. Restrict mowing by landscaping additional areas of county property. 7. Restrict all outdoor burning on Ozone Action Days. 8. Practice energy conservation in all County facilities. - Turn off computers and lights in the office at the end of the day - Turn off all office lights when not in use 9. Include environmental considerations in purchasing decisions for goods and services. An example of such would be to purchase the lowest-emission vehicles practical to meet County needs. This may include the purchase of Tier II compliant SEE Comment #6	1. Lexington County website has a link to the DHEC site with the Ozone Action Days. 2. County sent memos August 2005, to all employees to see the interest to carpooling.  3. All County employees are to turn off computers and lights when leaving at the end of each day.	Effective immediately - October 6, 2004	Directionally sound	Directionally sound	N/A	The commitment to address these activities has been assured by the County Administrator and was presented before County Council on August 24, 2004 and adopted as written. 1. See comment #6
Support SCDHEC statewide efforts to reduce ozone levels.	1. Stakeholder group to support and participate in modeling efforts.  2. Develop stakeholder group to participate in development of regulations (NOx - BACT (Best Available Control Technology Economically Achievable), restrict open burning).	December 2004 EAC SIP did include Appendix 16 - 1. SC61-62.2 "Prohibition of Open Burning" regulation with reductions for 2007 calendar year - reductions expected during the ozone season for residential construction waste.  2. SC61-62.5, Std. 5.2 "Control of Oxides of Nitrogen" reduction amount for both existing and new sources combined across Lexington and Richland counties for 2007 calendar year.	1. June 25, 2004  2. June 25, 2004	38.16 tons/season  N/A	8.03 tons/season  183.5 tons/yr	N/A	
Designate an Ozone Action Contact	Establish industry/local government contact persons	Current Air Quality Contact is Sheri Armstrong	on-going	N/A	N/A	N/A	See Comment #2
Lexington County Fleet Management (750 vehicles)	1. 12 alternative fuel vehicles in fleet 2. Tri-axes are equipped with Engine Control Software to monitor vehicle usage. Idle time is set for 5 min. and then automatic shut off. 3. The catapillar engines being purchase have the ACERT Technology.  4. The County purchased 35 Impalas (more efficient) instead of Crown Vic for the sheriff department. Proposing 35 more for the next year. 5. VDO system on County vehicles monitors driving habits. 6. Fleet are maintained 3 month or 5,000 miles, if not maintained the fuel dispensors will not work for the vehicle.	3. Catapillar engines that are purchased for County are meeting the air quality standards proposed for 2007.	3. 2005-2007	Directionally sound	Directionally sound	N/A	
Land use/Green Space	A planning study (2005-2006) by COATS (Columbia Area Transportation Study) for bicycle and pedestrian facilities in the Central Midlands regions (Lexington, Richland, Kershaw, and Calhoun Counties) as a viable modal choice. (rsimmons@centralmidlands.org)	Public Meeting held Nov. 14, 2005	on-going	Directionally sound	Directionally sound	N/A	(http://www.centralmidlands.org/)

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Land-Use Improvement Action	The Town of Lexington passed through Town Council two streets in The Town Lexington be designated as one-way streets to ease traffic congestion.	Butler and Main streets to be constructed as one-way.	Town Council passed at the Nov. 2005 meeting	Directionally sound	Directionally sound	N/A	
Alternate work schedule	Discuss with industry, companies, municipalities, county departments	Lexington County surveyed employees (9/2005) as to the feasibility for department to go to 4 10-hour work schedules. One department within Public Works (10 employees) started October 1, 2005. Others departments hopefully to follow.	Oct. 2005	Directionally sound	Directionally sound	N/A	See Comment #2
Bio-diesel /alternate fuels use	Discuss with industry, companies, municipalities, county departments	Lexington County will write and distribute a letter of encouragement for the use of bio-diesel/alternative fuels to each of the municipalities. A copy will be included in next progress report	on-going	Directionally sound	Directionally sound	N/A	See Comment #2 (Contact Sheri Armstrong/803-785-8631/sarmstrong@lex-co.com)
Bio-diesel /alternate fuel stations available in Lexington County	1. Pitt Stop Convenience Store, (E85) 5019 Augusta Road 2. United Energy (Biodiesel and E85) 2470 Fish Hatchery Road	Both sell alternative fuels	on-going	Directionally sound	Directionally sound	N/A	
Idle Reduction	Establish County policies to reduce or stop idling time	15 trucks have Engine Control Module software that idling time is set for 5 minutes. Catapillar has incorporated this in the engine software. (ACERT Technology)	on-going	Directionally sound	Directionally sound	N/A	See Comment #2 ( <a href="http://www.cat.com">http://www.cat.com</a> )
Landfill Methane Reduction (Methane Recycling System to be online February 2006)	Screaming Eagle Landfill owned by Waste Management accepts approximately 100,000 tons/yr of municipal solid waste from Lexington County.	(Methane Recycling System to be online February 2006)	Feb. 2006	Directionally sound	Directionally sound	N/A	See Comment #2 ( <a href="http://www.state.sc.us/energy/renewable%20energy/lmop.htm">www.state.sc.us/energy/renewable%20energy/lmop.htm</a> )
Landfill Methane Outreach Program (LMOP) Participant	Program that aids the reduction of methane emissions from landfills by encouraging the recovery and use of landfill gas as energy source. ( <a href="http://www.epa.gov/landfill/index.htm">www.epa.gov/landfill/index.htm</a> ) Lexington County looking to find possible use of flared methane at the 321 Landfill.	on-going	on-going	Directionally sound	Directionally sound	N/A	
Green Power Support	MCEC (Mid-Carolina Electric Cooperative) offers the purchase of green power blocks. This power is distributed by Santee Cooper and blocks are currently being purchased by local commercial and residential stewards of the environment. State-wide there are 1300 residential co-op participants. ( <a href="http://www.santeecooper.com/greenpower/">www.santeecooper.com/greenpower/</a> )	Local businesses supporting are Lowe's, BBT, Kinko, Wachovia Banks. We were not able to obtain the number of blocks being purchased by Lexington County residents.	on-going	Directionally sound	Directionally sound	N/A	<a href="http://www.santeecooper.com">www.santeecooper.com</a>
Energy Efficiency of New/Renovation of County Buildings	All windows in the County Administration Building were replaced with energy efficient windows. The same windows were used in the new Courthouse also.	2003-2004	completed	Directionally sound	Directionally sound	N/A	
Grant/Fund Proposals	Lexington County/Richland County applied for grant for Gas Cap Replacement/Gas Cap Wrenches.	Did not receive the grant.	on-going	Directionally sound	Directionally sound	N/A	Additional information submitted in December 2004 Progress Report See Comment #5
Stakeholders Meetings	1. June 6, 2005, meet with David Farren, Southern Environmental Law Center (SELC) and elected official from Lexington And Richland County to discuss "nonattainment" and goals to meet standards for ground level ozone. They also informed us of the release of the Columbia area air quality report by SELC. 2. Meeting with major industries to discuss the ozone situation in late July (2004). 3. I have been talking with Lexington Soil and Water Conservation District to partner with us for air quality issues.	June 2005 - Obtained list of the major VOC and NOx emitters in county and plan to met with these companies to discuss concerns regarding attainment issues.		Directionally sound	Directionally sound	N/A	Additional information submitted in June 2004 Progress Report See Comment #4
Landscaping	1. Planting of approximately 10-15 acres of trees and/or shrubbery for additional landscaping areas on Lexington County owned property that will reduce mowing and the use of gas powered lawn equipment. 2. Lexington County Planning /Department working with County Council and developers for proposed scenic corridors throughout the county for preservation of natural buffers along roadways.	1. Planted trees Jan.-Mar. 2005.	on-going	Directionally sound	Directionally sound	N/A	
Seminar/Presentations attended by Lexington County to further their knowledge of Air Quality	1. May 25, 2005 attended Dr. Dave Nowak-"Understanding the Effects of the Urban Forest on Air and Water Quality". 2. June 22, 2005 participated in a conference call EPA, STATE, LOCAL partners and Office of Transportation and Air Quality to discuss how the "Best Work Places for Commuters" can help EACs. 3. August 23-25, 2005 attended the Southern Transportation and Air Quality Summit (STAQS) Conference. 4. November 3, 2005 Participated in conference call with DHEC and Richland County for guidance for the EAC Report due December 2005.	Dr. Dave Nowak-"Understanding the Effects of the Urban Forest on Air and Water Quality		Directionally sound	Directionally sound	N/A	
Proposed air quality projects	1. Lexington County in partnership with other agencies are looking into holding a gas powered lawn mower/lawn equipment exchange. 2. Lexington County in partnership with other agencies are looking into holding a Kerosene Can exchange. 3. Lexington County in partnership with other agencies are looking into holding a Gas Cap Replacement/Gas Cap Wrenches event.	1. Spring 2006, measures 2 and 3 are for future events.		Directionally sound	Directionally sound	N/A	
Public Awareness/Education	1. Providing/incorporating Air Quality information in county newsletter that goes to all employees. 2. Working with county GIS department for the introduction of an Environmental link for the Public Works Department discussing Air Quality and related issues-hopefully implemented in 2006. 3. Spoke with Mid Carolina Electric Co-Op about publishing Air Quality information in their newsletter that is distributed to all MCEC customers-hopefully 2006. 4. Looking to implement Air Quality seminars with the Lexington County school system in 2006.	June 2005 - update on educational air quality presentations for schools...; also working with landscape "guru" on educational/outreach presentations to local organizations...	on-going	Directionally sound	Directionally sound	N/A	Additional information submitted in December 2004 Progress Report See Comment #5
Public Awareness/Information	Lexington County, with input from DHEC, is designing and constructing an Ozone Action sign that will display during the Ozone season the ozone alertness level. This will be posted at a heavily traveled intersection in Columbia.		Jan-06	Directionally sound	Directionally sound	N/A	
Education of environmental issues within school systems	1. Amy Curran, DHEC, has been involved for 3 years with Gilbert Middle School for the implementation of wetlands, observation area, and kiosk. 2. She conducted an outdoor workshop with the students on air quality. 3. Amy also taught the 7th grade at Northside Middle School the science curriculum incorporating the health and environmental issues of air quality.	1. On going project since 2003 2. Held on Oct, 25, 2005 3. Taught class on Nov. 15, 2005	on-going	Directionally sound	Directionally sound	N/A	( <a href="http://www.lexington1.net/gms/schoolhappenings.html#wetland">http://www.lexington1.net/gms/schoolhappenings.html#wetland</a> )

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Recognition by SC Wildlife Federation	Lexington County Planning Department working with County Council and developers for proposed scenic corridors throughout the county for preservation of natural buffers along roadways.		on-going	Directionally sound	Directionally sound	N/A	Comments #7 (www.scwf.org/)
Join and participate in Clean Cities	Become a stakeholder in Clean Cities and become active in meetings. This partnership shall increase public awareness of the environment issues of air quality that Lexington County is working to better.	Contact with Wendy Bell of the Catawba COG will be initiated.	Jan-06	Directionally sound	Directionally sound	N/A	
1300 employees receive Ground Level Ozone Awareness Information in Pay stubs	Comments #7 and 8	Mar. 31, 2005		Directionally sound	Directionally sound	N/A	
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documentd as a part of the ongoing reporting requirements.  2. December 2003 - Progress Report - See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html">http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html</a> - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....  3. March 2004 - Local Early Action Plan - See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp">http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</a>  4. June 2004 - Progress Report - See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp">http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</a>  5. December 2004 - Progress Report - See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp">http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</a>  6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas )- See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_sip.html">http://www.scdhec.gov/eqc/baq/html/eap_sip.html</a>  7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_sip.html">http://www.scdhec.gov/eqc/baq/html/eap_sip.html</a>  8. June 2005 - Progress Report - See - <a href="http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp">http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</a>							